

# COMPUTER INFORMATION SYSTEMS, ASSOCIATE OF APPLIED SCIENCE

The Associate of Applied Science Computer Information Systems (AAS CIS) degree offers program courses focused on technical support in a networked environment. This degree prepares students for employment opportunities in the computer information services industry. The program offers students the opportunity to gain knowledge and hands-on experience to support an organization's information technology infrastructure. The CIS program additionally provides professional continuing education, classes and certificates for individuals working in the field or studying other disciplines.

Students completing the AAS CIS are prepared to seek entry-level employment and entrepreneurial occupations such as network administrator, systems administrator, support technician, and applications specialist/trainer.

Students planning to earn a bachelor's degree are responsible for researching the departmental requirements of the school to which they plan to transfer. Students planning to transfer may want to consider the AAOT, AGS or AS degree options.

## GRADUATION REQUIREMENTS

Students must complete a minimum of 94 credit hours with a cumulative Grade Point Average (GPA) of 2.0 or better. Twenty-four (24) credits must be completed at Southwestern before the degree is awarded. All courses must be completed with a grade of 'C' or better.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

## PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Demonstrate the skills and knowledge to install, configure, and maintain end-user computer systems and software
- Demonstrate the skills and knowledge to install, configure and maintain network servers.
- Demonstrate the ability to plan and implement both wired and wireless networks sufficient for home or small business use.
- Demonstrate basic ability to develop new products and services to meet the needs of a changing economy
- Apply project-life-cycle concepts to assist in business need solutions.
- Research, interpret and communicate technical information in written, graphic, diagrammatic, electronic and oral forms.
- Demonstrate the ability to work independently or in a group environment with sensitivity to the business and cultural needs.

Math and writing placement are unique to each student and are determined during the admissions and intake advising process.

Additional math or writing courses may be required prior to taking the math or writing program requirements in this degree.

## PROGRAM GUIDE

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
CS160 or ENGR112	Computer Science Orientation or Engineering Computation	4
CIS151	Network Essentials	4
CIS185	Introduction To Cyber Security	3
MTH98	Math Literacy <sup>1</sup>	4
<b>Credits</b>		<b>15</b>
<b>Winter</b>		
CIS140U	Intro to Operating Systems: Unix	4
CIS145	Hardware Installation Support	4
CIS152	Network Routing & Switching Config	4
CS195	Web Development I	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
BA285	Human Relations in Organizations <sup>2</sup>	3
CIS225	End User Support	4
CIS153	Enterprise Networking/Automation	4
CS133WS	Computer Language I: Web Scripting	4
<b>Credits</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
CIS285	Cyber Security Essentials	4
PE231	Wellness for Life <sup>4</sup>	3
CIS125DB	Database Applications	3
Specific Elective <sup>5</sup>		7
<b>Credits</b>		<b>17</b>
<b>Winter</b>		
CIS279	Network Server Administration	4
CS244	Systems Analysis	3
SP100	Basic Speech Communications (or higher) <sup>6</sup>	3
WR115	Fundamentals of Report Writing <sup>3</sup>	4
Specific Elective <sup>5</sup>		3
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
CIS280	CWE: Computer Information Systems <sup>7</sup>	4
CIS297	IT Professional Capstone	4
Specific Elective <sup>5</sup>		7
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>94</b>

<sup>1</sup> MTH95 or higher, excluding MTH211, may be substituted for MTH98.

<sup>2</sup> BA110, BA120, BA285, PSY100, PSY201, PSY202, PSY203 will satisfy this requirement.

<sup>3</sup> A higher writing may be substituted excluding WR241, WR242, WR243, and WR250.

<sup>4</sup> PE231, HE250 or three (3) credits of PE185 sport/activity courses will satisfy this requirement.

<sup>5</sup> Specific Electives: Any BA, CJ or CS/CIS course not required for the degree; WR227, MTH65, MTH95 or higher, ART225.

<sup>6</sup> SP100, SP111, SP218, SP219 will satisfy this requirement.

<sup>7</sup> Call 541-888-7405 to schedule with Internship Coordinator one month prior to term.

\* All Honors courses may substitute for their equivalent requirements.